

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

This declaration is of the following type:

- ☒ original
- ☐ divisional
- ☐ continuation
- ☐ continuation-in-part

INVENTORSHIP IDENTIFICATION

My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TITLE OF INVENTION

APPARATUS FOR IMPROVED POWER COUPLING THROUGH A WORKPIECE IN A
SEMICONDUCTOR WAFER PROCESSING SYSTEM

SPECIFICATION IDENTIFICATION

The specification of which:

- ☐ is attached hereto
- ☒ was filed on October 29, 1998, under Serial No. 09/182,023, executed on even date herewith; or
- ☐ Express Mail No. _____ (as Serial No. not yet known)
- and was amended on _____ (if applicable)
- ☐ was described and claimed in PCT International Application No. _____
- filed on _____ and as amended under PCT Article 19 on _____

ACKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56,

and which is material to the examination of this application; namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and

- ☐ In compliance with this duty, there is attached an Information Disclosure Statement in accordance with 37 CFR §1.98.

PRIORITY CLAIM (35 U.S.C. §119)

I hereby claim priority benefits under Title 35, United States Code, §119, of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America or of any United States Provisional Application(s) listed below, and have also identified below any

foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

☒ No such applications have been filed.

☐ Such applications have been filed as follows:

A. Prior foreign/PCT/provisional application(s) filed within 12 mos. (6 mos. for design) prior to this application, and any priority claims under 35 U.S.C. §119

<u>Country/PCT</u>	<u>Application No</u>	<u>Date Filed</u>	<u>Priority Claimed</u>
			<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO

B. All foreign application(s), if any, filed more than 12 mos. (6 mos for design) prior to this U.S. application

Country:

Application No:

Filing date:

CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S) UNDER 35 U.S.C. §120

I hereby claim benefit under Title 35, United States Code, § 120, of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information that is material to the examination of this application (namely, information where there is substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

PRIOR U.S. APPLICATION(S) FOR WHICH BENEFIT UNDER 35 U.S.C. § 120 IS CLAIMED

<u>Serial No.</u>	<u>Filing Date</u>	<u>Status</u>		
		<u>Patented</u>	<u>Pending</u>	<u>Abandoned</u>
		<input type="checkbox"/> patented	<input type="checkbox"/> pending	<input type="checkbox"/> abandoned
		<input type="checkbox"/> patented	<input type="checkbox"/> pending	<input type="checkbox"/> abandoned
		<input type="checkbox"/> patented	<input type="checkbox"/> pending	<input type="checkbox"/> abandoned

POWER OF ATTORNEY

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Michael L. Sherrard Registration No. 28,041
Peter J. Sgarbossa Registration No. 25,610
Donald Verplancken Registration No. 33,217

Raymond Kam-on Kwong Registration No. 37,165
Robert W. Mulcahy Registration No. 25,436
James C. Wilson Registration No. 35,412

Lawrence Edelman Registration No. 25,226
Michael Einschlag Registration No. 29,301

Raymond R. Moser Jr. Registration No. 34,682
Joseph Pagnotta Registration No. 39,322

Send correspondence to:

Direct telephone calls to:

PATENT COUNSEL
Legal Affairs Dept.
Applied Materials, Inc.
P.O. BOX 450A
Santa Clara, CA 95052
FAX: 408-986-3090

Raymond R. Moser Jr.
732-530-9404

DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and, further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Sec. 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Full name of sole or first inventor: Bradley O. Simson

Inventor's signature: Bradley O. Simson

Date: 12/11/98

Residence: 1257 Hanchett Ave., San Jose, CA 95126

Post Office Address: same as above

Country of Citizenship: U.S.A.

Full name of second inventor: Mitsuhiro Kaburaki

Inventor's signature: _____

Date: _____

Residence: 3-5-22-404 Hashigadai, Narita City, Chiba, Japan 286

Post Office Address: same as above

Country of Citizenship: Japan

Full name of third inventor: John C. Forster

Inventor's signature: John C. Forster

Date: 12/9/98

Residence: 41 Hallam, San Francisco, CA 94103

Post Office Address: same as above

Country of Citizenship: U.S.A.

Full name of fourth inventor: Eric Delaurentis

Inventor's signature: Eric Delaurentis

Date: 12/11/98

Residence: 19009 Two Bar Road, Boulder Creek, CA 95006

Post Office Address: same as above

Country of Citizenship: U.S.A.

Full name of **fifth** inventor: Praburam Gopalraja

Inventor's signature: G. P. Gopalraja Date: 12/9/98

Residence: 1235 Wildwood Ave., Apt. 277, Sunnyvale, CA 94089

Post Office Address: same as above

Country of Citizenship: India

Full name of **sixth** inventor: Patricia Rodriguez

Inventor's signature: Patricia Rodriguez Date: 12/11/98

Residence: ~~2200 Agnew, #316, Santa Clara, CA 95054~~ 1267 Fremont St., Santa Clara, CA 95050

Post Office Address: same as above

Country of Citizenship: U.S.A.

Full name of **seventh** inventor: Anantha Subramani

Inventor's signature: A. Subramani Date: 12/11/98

Residence: 3098 Linkfield Way, San Jose, CA 95135

Post Office Address: same as above

Country of Citizenship: India

Full name of **eighth** inventor:

Inventor's signature: _____ Date: _____

Residence:

Post Office Address:

Country of Citizenship:

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

This declaration is of the following type:

- ☒ original
- ☐ divisional
- ☐ continuation
- ☐ continuation-in-part

INVENTORSHIP IDENTIFICATION

My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TITLE OF INVENTION

APPARATUS FOR IMPROVED POWER COUPLING THROUGH A WORKPIECE IN A
SEMICONDUCTOR WAFER PROCESSING SYSTEM

SPECIFICATION IDENTIFICATION

The specification of which:

- ☐ is attached hereto
- ☒ was filed on October 29, 1998, under Serial No. 09/182,023, executed on even date herewith; or
- ☐ Express Mail No. _____ (as Serial No. not yet known)
- and was amended on _____ (if applicable)
- ☐ was described and claimed in PCT International Application No. _____
- filed on _____ and as amended under PCT Article 19 on _____

ACKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56,

and which is material to the examination of this application; namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and

- ☐ In compliance with this duty, there is attached an Information Disclosure Statement in accordance with 37 CFR §1.98.

PRIORITY CLAIM (35 U.S.C. §119)

I hereby claim priority benefits under Title 35, United States Code, §119, of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America or of any United States Provisional Application(s) listed below, and have also identified below any

foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

☒ No such applications have been filed.

☐ Such applications have been filed as follows:

A. Prior foreign/PCT/provisional application(s) filed within 12 mos. (6 mos. for design) prior to this application, and any priority claims under 35 U.S.C. §119

<u>Country/PCT</u>	<u>Application No</u>	<u>Date Filed</u>	<u>Priority Claimed</u>
			<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO

B. All foreign application(s), if any, filed more than 12 mos. (6 mos for design) prior to this U.S. application

Country:

Application No:

Filing date:

CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S) UNDER 35 U.S.C. §120

I hereby claim benefit under Title 35, United States Code, § 120, of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information that is material to the examination of this application (namely, information where there is substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

PRIOR U.S. APPLICATION(S) FOR WHICH BENEFIT UNDER 35 U.S.C. § 120 IS CLAIMED

<u>Serial No.</u>	<u>Filing Date</u>	<u>Status</u>		
		<u>Patented</u>	<u>Pending</u>	<u>Abandoned</u>
		<input type="checkbox"/> patented	<input type="checkbox"/> pending	<input type="checkbox"/> abandoned
		<input type="checkbox"/> patented	<input type="checkbox"/> pending	<input type="checkbox"/> abandoned
		<input type="checkbox"/> patented	<input type="checkbox"/> pending	<input type="checkbox"/> abandoned

POWER OF ATTORNEY

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Michael L. Sherrard	Registration No. 28,041	Raymond Kam-on Kwong	Registration No. 37,165
Peter J. Sgarbossa	Registration No. 25,610	Robert W. Mulcahy	Registration No. 25,436
Donald Verplancken	Registration No. 33,217	James C. Wilson	Registration No. 35,412
Lawrence Edelman	Registration No. 25,226	Raymond R. Moser Jr.	Registration No. 34,682
Michael Einschlag	Registration No. 29,301	Joseph Pagnotta	Registration No. 39,322

Atty. Dkt. No. 1946

Send correspondence to:

PATENT COUNSEL
Legal Affairs Dept.
Applied Materials, Inc.
P.O. BOX 450A
Santa Clara, CA 95052
FAX: 408-986-3090

Direct telephone calls to:

Raymond R. Moser Jr.
732-530-9404

DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and, further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Sec. 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Full name of sole or first inventor: Bradley O. Stimson

Inventor's signature: _____ Date: _____
Residence: 1257 Hanchett Ave., San Jose, CA 95126
Post Office Address: same as above

Country of Citizenship: U.S.A.

Full name of second inventor: Mitsuhiro Kaburaki

Inventor's signature: Mitsuhiro Kaburaki Date: Jan 21, '99
Residence: 3-5-22-404 Hashigadai, Narita City, Chiba, Japan 286
Post Office Address: same as above

Country of Citizenship: Japan

Full name of third inventor: John C. Forster

Inventor's signature: _____ Date: _____
Residence: 41 Hallam, San Francisco, CA 94103
Post Office Address: same as above

Country of Citizenship: U.S.A.

Full name of fourth inventor: Eric Delaurentis

Inventor's signature: _____ Date: _____
Residence: 19009 Two Bar Road, Boulder Creek, CA 95006
Post Office Address: same as above

Country of Citizenship: U.S.A.

Full name of **fifth** inventor: Praburam Gopalraja

Inventor's signature: _____ Date: _____

Residence: 1235 Wildwood Ave., Apt. 277, Sunnyvale, CA 94089

Post Office Address: same as above

Country of Citizenship: India

Full name of **sixth** inventor: Patricia Rodriguez

Inventor's signature: _____ Date: _____

Residence: 2200 Agnew, #316, Santa Clara, CA 95054

Post Office Address: same as above

Country of Citizenship: U.S.A.

Full name of **seventh** inventor: Anantha Subramani

Inventor's signature: _____ Date: _____

Residence: 3098 Linkfield Way, San Jose, CA 95135

Post Office Address: same as above

Country of Citizenship: India

Full name of **eighth** inventor:

Inventor's signature: _____ Date: _____

Residence:

Post Office Address:

Country of Citizenship: